

# **GEOLOGIC NOTES**

**DIVISION OF GEOLOGY  
STATE DEVELOPMENT BOARD  
COLUMBIA, S. C.**

**MAY - JUNE 1962**



**Vol. 6**

**No. 3**

GEOLOGIC NOTES

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VOLUME 6

MAY - JUNE 1962

NUMBER 3

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CHECK LIST OF WACCAMAW AND CROATAN (PLIOCENE ?) MACROFOSSILS  
OF NORTH AND SOUTH CAROLINA

By

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INTRODUCTION

THE PRESENT LIST HAS GROWN OUT OF A BIOSTRATIGRAPHIC STUDY OF THE WACCAMAW AND CROATAN DEPOSITS INITIATED BY THE AUTHOR IN 1959. THE OBJECTIVE OF THIS STUDY, WHICH IS SPONSORED BY GRANTS FROM THE NATIONAL SCIENCE FOUNDATION, IS TO DETERMINE AS PRECISELY AS POSSIBLE THE AGE, STRATIGRAPHIC RELATIONSHIPS, AND DEPOSITIONAL ENVIRONMENTS OF THE DUPLIN, WACCAMAW, CROATAN AND PAMLICO DEPOSITS.

PREVIOUSLY THE MOST COMPLETE PUBLISHED LISTS OF WACCAMAW MACROFOSSILS WERE THOSE OF DALL (1892), CANU AND BASSLER (1923) AND GARDNER (1943). THESE LISTS ARE INCOMPLETE AND AT LEAST THE NOMENCLATURE OF THE MOLLUSKS HAS NEEDED REVISION FOR SOME TIME.

PRELIMINARY TO COMPILATION OF THIS LIST, ALL AVAILABLE PERTINENT LITERATURE WAS STUDIED AND ALL COLLECTIONS OF WACCAMAW AND CROATAN MACROFOSSILS PRESENTLY HOUSED IN THE U.S. NATIONAL MUSEUM WERE EXAMINED. IN ADDITION, LARGE COLLECTIONS WERE MADE FROM EACH FOSSILIFEROUS UNIT OF EVERY KNOWN AND ACCESSIBLE OUTCROP OF THE WACCAMAW AND CROATAN DEPOSITS. THESE COLLECTIONS WERE STUDIED CLOSELY AND RELATIVE ABUNDANCE DATA FOR ALL ASSEMBLAGES FROM EACH OUTCROP HAVE BEEN DETERMINED.

THE AUTHOR HAS ATTEMPTED TO ELIMINATE OBVIOUS SYNONYMS, AND TO BRING THE NOMENCLATURE UP TO DATE. IT IS OBVIOUS THAT EVENTUALLY EVEN MORE SPECIES WILL BE ADDED TO THIS LIST, ESPECIALLY FROM SUBSURFACE COLLECTIONS NOW BEING EXAMINED. ALSO, A FEW SPECIES RECORDED IN THE LITERATURE AND CONTAINED IN EXISTING COLLECTIONS UNDOUBTEDLY HAVE BEEN OVERLOOKED. PARTIALLY COUNTERBALANCING THESE PROBABLE ADDITIONS IS THE LIKELIHOOD THAT SOME OF THE SPECIES INCLUDED IN THE LIST SUBSEQUENTLY WILL PROVE TO BE CONSPECIFIC.

SUCH LISTS AS THIS ARE VITAL TO SUCCESSFUL AND ACCURATE BIOSTRATIGRAPHIC ANALYSES OF THE LATE NEOGENE DEPOSITS OF THE ATLANTIC COASTAL PLAIN AND SIMILAR LISTS FOR OTHER FORMATIONS ARE WELL UNDER WAY. IT IS HOPED TO COMPILE EVENTUALLY UNDER ONE COVER A CATALOGUE OF ALL THE NEOGENE MACROFOSSILS OF EASTERN UNITED STATES.

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THE FOLLOWING COMPILATION SHOWS THE NUMBER OF SPECIES AND SUBSPECIES FOR EACH OF THE MAJOR TAXA INCLUDED IN THE CHECK LIST:

PORIFERA.....	1
ANTHOZOA.....	2
BRYOZOA.....	25
PELECYPODA.....	235
GASTROPODA.....	248
SCAPHOPODA.....	5
CIRRIPIEDIA.....	1
ECHINIDEA.....	2

#### EXPLANATION

##### DISTRIBUTION

M	LATE MIOCENE (MAINLY DUPLIN).
TW	TYPE WACCAMAW, WACCAMAW RIVER, Horry COUNTY, SOUTH CAROLINA.
SCW	WACCAMAW OF SOUTH CAROLINA OUTSIDE OF THE TYPE AREA.
NCW	WACCAMAW OF NORTH CAROLINA (NOT THE CROATAN OF THE NEUSE RIVER AREA).
C	TYPE CROATAN OF NEUSE RIVER AREA, NORTH CAROLINA.
R	RECENT OF ATLANTIC AND GULF COASTAL AREAS.

##### CITATIONS

D	COLLECTED AND IDENTIFIED BY DU BAR BUT SPECIMENS NOT IN PLACE.
D	COLLECTED AND IDENTIFIED BY DU BAR. ALL SPECIMENS IN PLACE.
L	RECORDED IN THE LITERATURE (SEE BIBLIOGRAPHY).
M	IN U. S. NATIONAL MUSEUM COLLECTIONS.
?	PLACED BEHIND CITATION INDICATES DOUBTFUL OCCURRENCE DUE TO LACK OF STRATIGRAPHIC EVIDENCE, OR DOUBTFUL IDENTIFICATION.

#### MACROFAUNAL CHECK LIST

<u>SPECIES</u>	GEOLOGIC DISTRIBUTION					
	<u>M</u>	<u>TW</u>	<u>SCW</u>	<u>NCW</u>	<u>C</u>	<u>R</u>
<u>PORIFERA</u>						
? <u>CLIONE</u> SP.		D	D	D		
<u>ANTHOZOA</u>						
? <u>ASTRANGIA</u> SP.						D
<u>SEPTASTRAEA CRASSA</u> HOLMES	L	D	D	?D		

<u>SPECIES</u>	<u>M</u>	<u>TW</u>	<u>SCW</u>	<u>NCW</u>	<u>C</u>	<u>R</u>
<u>BRYOZOA</u>						
<u>AIMULOSIA ACULEATA</u> CANU & BASSLER	L	L				
<u>AMPHIBLESTRUM CONSTRICTUM</u> ULRICH & BASSLER	L	L				
<u>CELLEPORA MINUTA</u> CANU & BASSLER		L				
<u>CELLEPORA MACULATA</u> (ALDRICH & BASSLER)	L			D		
<u>CYCLOCOLPOSA PERFORATA</u> CANU & BASSLER		L				
<u>CYCLOPERIELLA RUBRA</u> CANU & BASSLER	L	L				
<u>DAKARIA PARUIPOROSA</u> CANU & BASSLER		L				
<u>DISCOPORELLA DENTICULATA</u> (CONRAD)	L	DL	D	D		
<u>ELECTRA MONOSTACHYS</u> BUSK		L				
<u>FLORIDINA PARVICELLA</u> CANU & BASSLER		L				
<u>GEMELLIPORELLA ASPER</u> CANU & BASSLER	L	L				
<u>GEMELLIPORELLA VORAX</u> CANU & BASSLER	L	L				
<u>HEMISEPTELLA PLANULATA</u> CANU & BASSLER		L				
<u>HOLOPORELLA BICORNIS</u> CANU & BASSLER		L			D	
<u>HOLOPORELLA ORBIFERA</u> CANU & BASSLER	L	L				
<u>MENBRANIPORA LACROIXI</u> AUDOUIN		L				L
<u>MEMBRENDDECUM GRANDE</u> CANU & BASSLER		L				L
<u>METRARABDITOS AURICULATUM</u> CANU & BASSLER		L				
<u>MICROPORELLA TESSELLATA</u> TUOMEY & HOLMES		L				
<u>PUELLINA CRASSILABIATA</u> CANU & BASSLER		L				
<u>SCHIZOPDRELLA ACULEATA</u> CANU & BASSLER		L				
<u>SCHIZOPDRELLA MARGINATA</u> CANU & BASSLER		L				
<u>SMITTINA TRISPINDSA</u> JOHNSTON	L	L				
<u>SPATHIOPORA LONGIRIMA</u> CANU & BASSLER		L				
<u>TRETOCYCLOECIA AVELLANA</u> CANU & BASSLER	L	L				

<u>SPECIES</u>	<u>M</u>	<u>TW</u>	<u>SCW</u>	<u>NCW</u>	<u>C</u>	<u>R</u>
<u>PELECYPODA</u>						
<u>ABRA AEQUALIS</u> (SAY)	L	DL	D	DML	DL	L
<u>ALIGENA AEQUATA</u> (CONRAD)	L			DL	L	
<u>AMUSIUM MORTONI</u> (RAVENEL)	L	DL	L	DL		
<u>?AMUSIUM</u> SP.		D				
<u>ANADARA CAELATA</u> (CONRAD)		?M?L				
<u>ANADARA CAROLINENSIS</u> CONRAD	L				L	
<u>ANADARA LIENOSA</u> (SAY)	L	DL	D	DML	?L	
<u>ANADARA OVALIS</u> (BRUGUIERE)					L	L
<u>ANADARA PLICATULA</u> CONRAD	L			L		
<u>ANADARA PLICATURA</u> CONRAD	L				L	
<u>ANADARA RUSTICA</u> (TUDMEY & HOLMES)		D	DL	L		
<u>ANADARA SCALARINA</u> (HEILPRIN)				L		
<u>ANADARA SCALARIS</u> (CONRAD)	L			L		
<u>ANADARA STAMINEA</u> (SAY)				?L		
<u>ANADARA SUBSINUATA</u> (CONRAD)?				L	DL	
<u>ANADARA TRANSVERSA</u>						
<u>IMPRDCERA</u> (CONRAD)	L	DL	D	DML	DL	
<u>ANADARA TRANSVERSA</u>						
<u>AEQUICOSTATA</u> (CONRAD)		L			L	
<u>ANADARA</u> SP. A			D			
<u>ANADARA</u> SP.				D	D	
<u>ANISODONTA</u> SP.					D	
<u>ANISOTHYRIS</u> SP. CF. A.						
<u>OBLIQUA</u> GABB					L	L
<u>ANOMIA SIMPLEX</u> D'ORBIGNY	L	DL	D	DML	DL	L
<u>?ANOMIA</u> SP.		D				
<u>ARCA SYMMETRICA</u> CONRAD				?L		
<u>ARCA UNDULATA</u> SAY					?L	
<u>ASTARTE CASTANEA</u> SAY		?L				
<u>ASTARTE CONCENTRICA</u> CONRAD	DL	L		DML		
<u>ASTARTE CONCENTRICA BELLA</u>						
CONRAD	L	DL	D	D	DL	
<u>ASTARTE CONCENTRICA CONRAD!</u>						
GARDNER	L			L		
<u>ASTARTE</u> SP. CF. A.						
<u>HERFORDENSIS</u> CONRAD			D			
<u>ASTARTE</u> N. SP.?					L	
<u>ATRINA HARRISI</u> DALL	L			?M		
<u>ATRINA</u> SP. CF. A.						
<u>HARRISI</u> DALL		D				
<u>BORNIA BLADENSIS</u> GARDNER				L		
<u>BORNIA TRIANGULA</u> DALL	L			L	L	
<u>BRACHIODONTES RECURVUS</u>						
(RAFINESQUE)				L		L
<u>BRACHIODONTES</u> SP.					L	
<u>CARDITA ARATA</u> (CONRAD)	DL	DL	D	DML	DL	
<u>CARDITA COLUMBIANA</u> (GARDNER)				L		
<u>CARDITA GRANULATA</u> (SAY)	DL	DL	D	DML	DL	
<u>CARDITA PERPLANA</u> (CONRAD)	DL	DL		DL	DL	L

<u>SPECIES</u>	<u>M</u>	<u>TW</u>	<u>SCW</u>	<u>NCW</u>	<u>C</u>	<u>R</u>
<u>CARDITA PERPLANA ABBREVIATA</u> CONRAD	DL		L	ML	L	
<u>CARDITA TRIDENTATA</u> (SAY)	DL	DL	D	DML	DL	L
<u>CARDITA TRIDENTATA</u> <u>DECEMCOSTATA</u> (CONRAD)	L	L		L	L	
<u>CARDIUM</u> SP.			L			
<u>CARYOCORBULA BARRATTIANA</u> (C. B. ADAMS)		D	DL	DML		L
<u>CARYOCORBULA CONTRACTA</u> (SAY)		L	D	DL	DL	L
<u>CARYOCORBULA INAEQUALIS</u> (SAY)	L	DL		DL	DL	
<u>CARYOCORBULA</u> SP.		D	D			
<u>CHAMA CONGREGATA</u> CONRAD	L	L		DL	L	L
<u>CHAMA GARDNERAE</u> OLSSON & HARRISON	DL	DL	D	DML	DL	
<u>CHAMA MACROPHYLLA</u> GMELIN		L		D		L
<u>CHIONE CANCELLATA</u> (LINNÉ)		DL	D	D	L	L
<u>CHIONE ORIBRARIA</u> (CONRAD)	DL	DL	D	DML	DL	
<u>CHIONE GRUS</u> (HOLMES)	L	DL	D	DML	D	L
<u>CHIONE LATILIRATA ATHLETA</u> (CONRAD)	L	DL	D	DML	L	
<u>CHIONE PYGMAEA</u> (LAMARCK)		L				L
<u>CHLAMYS COMPARILIS</u> (TUOMEY & HOLMES)	L		L			
<u>CHLAMYS EBOREUS SENESCENS</u> (DALL)			L			
<u>CHLAMYS ERNESTSMITHI</u> (TUCKER)				L		
<u>CHLAMYS</u> SP. AFF. <u>C. EVERGLADENSIS</u> (MANSFIELD)					L	
<u>CHLAMYS GIBBUS</u> (LINNÉ)			?	DL	L	L
<u>CHLAMYS IRRADIANS</u> (LAMARCK)		?DL				L
<u>CHLAMYS</u> SP. CF. <u>C. SENTIS</u> REEVE					L	
<u>CHLAMYS SOLAROIDES</u> (HEILPRIN)	DL	D		DL	DL	
<u>CORBICULA DENSATA</u> CONRAD	L	L		DL	L	
<u>CRASSINELLA DUPLINIANA</u> DALL	L	L	D	DL		
<u>CRASSINELLA LUNULATA</u> CONRAD	DL	DL	DL	DL	DL	
<u>CRASSOSTREA VIRGINICA</u> (GMELIN)				DL	L	L
? <u>CRASSOSTREA</u> SP.				D		
<u>CUMINGIA TELLINOIDES</u> (CONRAD)					DL	L
<u>CYRTOPLEURA ARCUATA</u> (CONRAD)				L		
<u>CYRTOPLEURA COSTATA</u> (LINNÉ)					L	
<u>DINOCARDIUM ROBUSTUM</u> (SOLANDER)		?D		D		L
<u>DIPLODONTA ACCLINIS</u> (CONRAD)	L	L	L	L	L	
<u>DIPLODONTA CALOOSAENSIS</u> DALL		L		DL	DL	
<u>DIPLODONTA LEANA</u> DALL	L			M		
<u>DIPLODONTA NUCLEIFORMIS</u> WAGNER	L			L		L
<u>DIPLODONTA SOROR</u> (C. B. ADAMS)	L			DL		
<u>DIPLODONTA SUBGLOBOSA</u> C. B. ADAMS		L			L	
<u>DIPLODONTA</u> SP.		D				

<u>SPECIES</u>	<u>M</u>	<u>TW</u>	<u>SCW</u>	<u>NCW</u>	<u>C</u>	<u>B</u>
<u>DIVARICELLA QUADRISULCATA</u>						
D'ORBIGNY	L	L		DL	L	L
<u>DONAX EMMONSI</u> DALL	L			ML		
<u>DONAX EMMONSI PRAEAEQUILIBRATA</u>						
GARDNER	L			L		
<u>DONAX FOSSOR</u> SAY	DL	DL	D	DL	DL	
<u>DONAX VARIABILIS</u> SAY				?L	DL	L
<u>DOSINIA ELEGANS</u> CONRAD	L	L	D	DL		L
<u>EGHINOCHEMA CORNUTA</u>						
(CONRAD)		DL		DL	L	L
<u>ENSIS DIRECTUS</u> CONRAD	L	DL	D	DML	DL	L
<u>ENSIS</u> SP.					L	
<u>ENSITELLOPS COMPRESSA</u>						
(L. C. LEA)		L		DL	DL	
<u>ERVILIA LATA</u> DALL	L			L		
<u>ERVILIA LATA RADIATA</u>						
GARDNER	L			L		
<u>ERYCINA CAROLINENSIS</u> DALL	L			L	L	
<u>EUCRASSATELLA SPECIOSA</u>						
A. ADAMS	DL	DL	D	DL	L	L
<u>EUCRASSATELLA</u> SP. A				p		
<u>FOSSULARCA ADAMSI</u> (DALL)	L	D	D	DL	L	L
<u>?FOSSULARCA</u> SP.			D			
<u>GARI WAGNERI</u> (DALL)	L		L	p		
<u>GEMMA MAGNA</u> DALL	DL	DL	D	DL	DL	
<u>GEMMA MAGNA INSULCATA</u>						
GARDNER	L			M?L		
<u>GEMMA TRIGONA</u> DALL	L			L	L	
<u>GLYCYMERIS ABERRANS</u> NICOL			L			
<u>GLYCYMERIS AMERICANA</u>						
(DEFRANCE)	DL	DML	D	DML	L	L
<u>GLYCYMERIS DUPLINENSIS</u> DALL	DL			L		
<u>GLYCYMERIS LAEVIS</u> (TUOMEY						
& HOLMES)			?L			
<u>GLYCYMERIS PECTINATA</u> (GMELIN)	L	DL	D	DML	L	L
<u>GLYCYMERIS REFLEXA</u> SAY		?L				
<u>GOULDIA METASTRIATA</u> (CONRAD)	DL	DL	D	DML	DL	
<u>HIATELLA ARCTICA</u> (LINNÉ)				M		L
<u>JULIACORBULA SCUTATA</u>						
(GARDNER)				L		
<u>LABIOSA CANALICULATA</u> SAY					L	L
<u>LAEVICARDIUM LAEVIGATUM</u>						
<u>WAGNERIANUM</u> OLSSON &						
HARRISON			D			
<u>LAEVICARDIUM MORTONI</u> CONRAD			L			L
<u>LAEVICARDIUM SUBLINEATUM</u>						
(CONRAD)	DL	DL		DML		
<u>LAEVICARDIUM</u> SP.		D				
<u>LEPTON KURTZII</u> DALL		L				
<u>LIMA</u> SP.			D			
<u>MACOMA CAROLINENSIS</u> GARDNER						
& ALDRICH	?DL	L		L		



<u>SPECIES</u>	<u>M</u>	<u>TW</u>	<u>SCW</u>	<u>NCW</u>	<u>C</u>	<u>R</u>
<u>MACROCALLISTA</u> SP. CF. <u>M.</u>						
<u>MACULATA</u> LINNÉ		D		D		
<u>MACROCALLISTA</u> <u>NIMBOSA</u>						
SOLANDER		DL		D		L
<u>MACTRA</u> <u>BRASILIANA</u> LAMARCK		?L				
<u>MACTRA</u> <u>FRAGILIS</u> <u>PRECURSOR</u>						
GARDNER				L		
<u>MARTESIA</u> <u>CUNEIFORMIS</u> (SAY)					L	L
<u>MERCENARIA</u> <u>CAMPECHIENSIS</u>	L	D	D	DL	D	L
(GMELIN)						
<u>MERCENARIA</u> <u>CAMPECHIENSIS</u>						
<u>CAROLINENSIS</u> (CONRAD)	L			L		
<u>MERCENARIA</u> <u>CAMPECHIENSIS</u>						
<u>RILEYI</u> (CONRAD)	L			D	D	
<u>MERCENARIA</u> <u>MERCENARIA</u>	L	L		DL	L	L
(LINNE)						
<u>MERCENARIA</u> <u>MERCENARIA</u>						
<u>MORTONI</u> (CONRAD)		L			L	
<u>MERCENARIA</u> SP.			L			
<u>MODIOLA</u> <u>DEMISSUS</u> DILLWYN					?L	L
<u>MODIOLUS</u> <u>DUCA TELI</u> CONRAD				?L		
<u>MODIOLUS</u> SP.					D	
<u>MONTACUTA</u> <u>PETROPOLITANA</u> DALL			L			
<u>MULINIA</u> <u>CONGESTA</u> CONRAD		DL		?L	?L	
<u>MULINIA</u> <u>CONGESTA</u> <u>MAGNOLIANA</u>						
(DALL)		DL		?L	L	
<u>MULINIA</u> <u>LATERALIS</u> SAY		DL	DL	DML	DL	L
<u>MYA</u> <u>ARENARIA</u> LINNE		L		DL		L
<u>MYSELLA</u> <u>BLADENENSIS</u> GARDNER			DL			
<u>MYSELLA</u> <u>MAJORINA</u> GARDNER				L		
<u>MYSELLA</u> <u>STANTONI</u> (DALL)				L		
<u>MYSELLA</u> <u>VELAINI</u> GARDNER				L		
<u>MYSELLA</u> SP. A					D	
<u>MYTILUS</u> SF.					L	
<u>NOETIA</u> <u>LIMULA</u> (CONRAD)	L	DM	D	DL	DL	
<u>NOETIA</u> <u>LIMULA</u> <u>PLATYURA</u>						
DALL				L		
<u>NOETIA</u> <u>PALMERAE</u> (MACNEIL)					L	
<u>NOETIA</u> <u>PONDEROSA</u> (SAY)					L	L
<u>NOETIA</u> <u>TILLENIS</u> (MACNEIL)		L	L			
<u>NOETIA</u> <u>VARIABILIS</u> (MACNEIL)	L		?L	L	L	
<u>NOETIA</u> <u>VARIABILIS</u> <u>QUADRATA</u>						
MACNEIL				DL		
<u>NOETIA</u> SP.			D			
<u>NUCULA</u> <u>PROXIMA</u> SAY	DL	DML	DL	DML	DL	
<u>NUCULA</u> <u>PROXIMA</u> <u>TRUNCULUS</u>						
DALL		?L				
<u>NUCULANA</u> <u>ACUTA</u> CONRAD	DL	DM	D	DML	DL	L
<u>OSTREA</u> <u>COMPRESSIROSTRA</u> SAY	L			L		
<u>OSTREA</u> SP. CF. <u>O.</u> <u>DISPARILIS</u>						
CONRAD		D				

<u>SPECIES</u>	<u>M</u>	<u>TW</u>	<u>SCW</u>	<u>NCW</u>	<u>C</u>	<u>B</u>
<u>OSTREA MERIDIONALIS</u> HEILPRIN (PROBABLY REWORKED)		?L			?L	
<u>OSTREA PERCRASSA</u> CONRAD				?L		
<u>OSTREA SCULPTURATA</u> CONRAD	DL	DML	D	DML	DL	
<u>OSTREA SUBSPATULA</u> FORBES				?M		
<u>OSTREA WACCAMAWENSIS</u> GARDNER				L		
<u>OSTREA</u> SP.		D		D		
<u>PANDORA CRASSIDENS</u> CONRAD	L			L		
<u>PANDORA NAVICULOIDES</u> GARDNER				L		
<u>PANDORA TUOMEYI</u> GARDNER & ALDRICH	L			L	DL	
? <u>PANDORA</u> SP.		D	D			
<u>PANOPE FLORIDANA</u> HEILPRIN			D	DL		
<u>PANOPE GOLDFUSSI</u> WAGNER					DL	
<u>PARAMYA SUBOVATA</u> CONRAD	L	L			L	L
<u>PARASTARTE</u> SP. CF. P. <u>TRIQUETRA</u> (CONRAD)					L	
<u>PETRICOLA CAROLINENSIS</u> CONRAD	L		L	L		
<u>PETRICOLA GRINNELLI</u> OLSSON			L			
<u>PETRICOLA</u> SP.					D	
<u>PHACOIDES ANADONTA</u> (SAY)	L	L	D	DML	L	L
<u>PHACOIDES COSTATA</u> (CONRAD)		?L			?L	
<u>PHACOIDES CRENULATUS</u> (CONRAD)	L	?L		L	?L	
<u>PHACOIDES MULTILINEATUS</u> (TUOMEY & HOLMES)	L	DL	DL	DL	DL	L
<u>PHACOIDES NASSULA</u> (CONRAD) SUBSP. ?			D			L
<u>PHACOIDES RADIANI</u> (CONRAD)	L	DL		DML	L	L
<u>PHACOIDES TRISULCATUS</u> (CONRAD)	DL	DL	D	DL		
<u>PHACOIDES TRISULCATUS</u> <u>MULTISTRIATUS</u> (CONRAD)	DL			ML		
<u>PHACOIDES WACCAMAWENSIS</u> DALL		D	D	DML	D	
<u>PHACOIDES WACCAMAWENSIS</u> <u>DELANDENSIS</u> MANSFIELD					L	
<u>PHACOIDES</u> SP.				D		
<u>PINNA CARNEA</u> GELIN		L				L
<u>PITAR CHIONEFORMIS</u> GARDNER				?L		
<u>PITAR SAYANA</u> (CONRAD)	L	DL	D	DL	DL	
<u>PLOCATULA MARGINATA</u> SAY	DL	DL	D	DML	L	
<u>POROMYA</u> SP.			L			
<u>RANGIA CLATHRODONTA</u> CONRAD	L			DM	L	
<u>RANGIA CUNEATA</u> (GRAY)					L	
<u>ROCELLARIA HIANI</u> SPENGLER					L	L
<u>ROCELLARIA</u> SP.					?D	
<u>SEMELE BELLA</u> CONRAD				?L		
<u>SEMELE BELLASTRIATA</u> (CONRAD)		DL		DL	L	L

<u>SPECIES</u>	<u>M</u>	<u>TW</u>	<u>SCW</u>	<u>NCW</u>	<u>C</u>	<u>R</u>
<u>SEMELE LEANA</u> DALL		?L				
<u>SEMELE NUGULOIDES</u> (CONRAD)	L			DM		L
<u>SEMELE PROFUGA</u> PULTNEY				?L		L
<u>SEMELE SUBOVATA ALTA</u> GARDNER				D?L		
<u>SEMELE (SEMELENA) SP.</u>		D				
<u>SEMELE SP.</u>			D			
<u>SOLEA VIRIDIS</u> SAY				L		L
<u>SPHENIA SP. CF. S. DUBIA</u> H. C. LEA					L	
<u>SPISULA SIMILIS</u> (SAY)		DL	DL	DL	D	L
<u>SPISULA SUBPARILIS</u> CONRAD	L				L	
<u>SPISULA SP.</u>		D			D	
<u>SPORTELLA CALPIX</u> GARDNER	L			L		
<u>SPORTELLA CONSTRICTA</u> (CONRAD)	L	L		L	L	
<u>SPORTELLA GIBBEROSA</u> GARDNER				L		
<u>SPORTELLA PROTEXTA</u> (CONRAD)	L			L	L	L
<u>SPORTELLA WACCAMAWENSIS</u> GARDNER				L		
<u>STRIGILLA FLEXUOSA</u> SAY	L			DL		
<u>TAGELUS DIVISUS</u> SPENGLER					L	
<u>TAGELUS PLEBEIUS</u> (SPENGLER)	DL	L		ML		
<u>TAGELUS PLEBEIUS</u> <u>CAROLINENSIS</u> (CONRAD)				L		
<u>TELLINA AEQUISTRIATA</u> SAY	L				L	L
<u>TELLINA ALTERNATA</u> SAY				?D	L	L
<u>TELLINA ARCTATA</u> CONRAD	?L	?L				
<u>TELLINA DUPLINIANA</u> DALL	L	DL	D	DML	DL	
<u>TELLINA MACILENTA</u> DALL	L			L		
<u>TELLINA SAYI</u> (DESHAYES)		?DL	L	L	DL	L
<u>TELLINA TENELLA</u> (VERRILL)		L				L
<u>TELLINA SCAPHA</u> DALL				M		
<u>TELLINA SP. A</u>				D		
<u>TELLINA SP. B</u>				D		
<u>THRACIA TRANSVERSA</u> H. C. LEA	L			L		
<u>TRACHYCARDIUM EMMONSII</u> (CONRAD)		L		DL	L	
<u>TRACHYCARDIUM OEDALIUM</u> DALL				L		L
<u>TRACHYCARDIUM SP.</u>		D	D	D		
<u>TRANSENELLA CAROLINENSIS</u> DALL	DL	D	D	DL	L	
? <u>TRANSENELLA SP.</u>		D	D			
<u>TRIGONICARDIA COLUMBA</u> (HEILPRIN)	D			L		
<u>VERTICORDIA EMMONSII</u> CONRAD	L	DL	D	L		
<u>YOLDIA LIMATULA</u> SAY					DL	L
<u>YOLDIA LAEVIS</u> (SAY)	L			L		
<u>YOLDIA SP.</u>					L	

<u>SPECIES</u>	<u>M</u>	<u>TW</u>	<u>SCW</u>	<u>NCW</u>	<u>C</u>	<u>R</u>
<u>GASTROPODA</u>						
<u>ACTEON PUNCTOSTRIATUS</u> ADAMS					L	L
<u>AESDPIUS STEARNSI</u> TYRON	L	L		DL		L
<u>ANACHIS AVARA CALDOSEAENSIS</u> DALL				L		
<u>ANACHIS AVARA SEMPLICATA</u> STEARNS					L	L
<u>ANACHIS AVARA SIMILIS</u> (RAVENEL)	?D			L		L
<u>ANACHIS AVARA TRANSIRATA</u> (RAVENEL)	L	L		DM	DL	L
<u>ANACHIS GARDNERAE</u> OLSSON & HARBISON			D			
<u>ANACHIS ITHITOMA</u> DALL		?L				
<u>ANACHIS MILLERI</u> GARDNER				?L		
<u>ANACHIS OBESA</u> (C. B. ADAMS)	L	L		DL	DL	L
<u>ANACHIS STYLIDOLA</u> (DALL)	L			?L		
<u>ANACHIS</u> SP.		D	D			
? <u>ANACHIS</u> SP.		D				
<u>BRACHYCYTHARA</u> SP. CF.						
<u>B. GALAE</u> FARGO				D	D	
<u>BULLATA DAGRIA</u> (DALL)	L	DL	D	DML	L	L
<u>BUSYCON AMDENUM</u> CONRAD	L			DL	D	
<u>BUSYCON BLADENSE</u> GARDNER				?DL	L	
<u>BUSYCON CANALICULATUM</u> (LINNÉ)	L	L		D	D	L
<u>BUSYCON CANALICULATUM</u> CANALIFERUM CONRAD			L			
<u>BUSYCON CARICA</u> (GMELIN)		L		DL	DL	L
<u>BUSYCON CONCINNUM</u> CONRAD	L			D?L		
<u>BUSYCON CONTRARIUM</u> (CONRAD)	DL	DL	D	DML	L	L
<u>BUSYCON MAXIMUM</u> (CONRAD)	L			?L		
<u>BUSYCON PYRUM</u> DILLWYN		L		L		L
<u>BUSYCON PYRUM EXCAVATUM</u> CONRAD	L	L				
<u>BUSYCON WILLCOXI</u> GARDNER				L		
<u>BUSYCON</u> SP.		D		D	D	
<u>CAECUM CAROLINIANUM</u> DALL		?L		L		L
<u>CAECUM FLEMINGI</u> GARDNER & ALDRICH	L	D		DL	L	
<u>CAECUM FLORIDANUM</u> STIMPSON	L	D	D	DL		L
<u>CAECUM IBEX</u> DALL	L	L				
<u>CAECUM IMBRICATUM</u> CARPENTER	L	DL	D	DL	L	L
<u>CAECUM PULCHELLUM</u> STIMPSON		?L				L
<u>CAECUM REGULARE</u> CARPENTER				DL	L	
<u>CALLIOSTOMA EROSUM</u> DALL					?L	
<u>CALLIOSTOMA JUJUBINUM</u> GMELIN		DL				L
<u>CALLIOSTOMA WILCOXIANUM</u> DALL ?				ML		
<u>CALLIOSTOMA</u> SP. (LIKE <u>C.</u> <u>PHILANTHROPUS</u> (CONRAD)	L					
<u>CALLIOSTOMA</u> SP.			D	D		
<u>CALYPTRAEA APERTA</u> SOLANDER				?L		
<u>CALYPTRAEA CENTRALIS</u> CONRAD	L			D		L
<u>CANCELLARIA CAROLINENSIS</u> EMMONS				?L		

<u>SPECIES</u>	<u>M</u>	<u>TW</u>	<u>SCW</u>	<u>NCW</u>	<u>C</u>	<u>R</u>
<u>CANCELLARIA CONRADIANA</u> DALL		L		D		L
<u>CANCELLARIA VENUSTA</u> TUOMEY						
& HOLMES	L	L				
<u>CANTHARUS</u> SP.		DL			L	
<u>CERITHIOPSIS ABRUPTA</u> WATSON		D?				L
<u>CERITHIOPSIS EMERSONI</u>						
<u>PERSUBULATA</u> GARDNER	L		?L	L		
<u>CERITHIOPSIS</u> SP.					L	
<u>CERITHIUM MUSCARUM</u> SAY				L		L
<u>CIRCULUS</u> (? <u>SUPRA-NITIDUS</u> WOOD						
SUB. SP.) <u>ORBIGNYI</u>						
(FISHER)	L	DL		L		L
<u>CIRCULUS</u> SP.					L	
<u>CLATHRODRILLIA EBENINA</u> (DALL)		D				L
<u>CLATHRODRILLIA ESUR</u> (REEVE)		L				L
<u>CLATHRODRILLIA TUBERCULATA</u>						
(EMMONS)	L	L		DM	L	
<u>CLAVATULA CORNELLIANA</u>						
(OLSSON)	L			L		
<u>COCHLIOLEPIS CONCAVA</u> (H. S.						
LEA)			?L			
<u>COCHLIOLEPIS</u> SP. AFF. <u>C.</u>						
<u>VIRGINICA</u> OLSSON & HARBISON	D					
<u>COCHLIOLEPIS</u> SP. A	D					
<u>CONUS ADVERSARIUS</u> CONRAD	DL	DL		DM		
<u>CONUS JASPEUS</u> GMEIN	?	DL		DM		L
<u>CRASSISPIRA PERRUGATA</u> (DALL)		?D		L		
<u>CREPIDULA ACULEATA</u> (GMEIN)	D	L	D	D	L	L
<u>CREPIDULA ACULEATA COSTATA</u>						
MORTON	L			L		
<u>CREPIDULA CONVEXA</u> SAY		L			L	
<u>CREPIDULA FORNICATA</u> (LINNÉ)	DL	DL	D	DL	DL	L
<u>CREPIDULA FORNICATA PONDEROSA</u>						
H. C. LEA	L			L	L	
<u>CREPIDULA PLANA</u> SAY	L	L	?D	DL	L	L
<u>CRUCIBULUM AURICULUM</u> GMEIN	D	D	D	DM		L
<u>CRUCIBULUM STRIATUM</u> SAY		L				L
<u>CRYOTURRIS GERINELLA</u> (DALL)				L		
<u>CRYOTURRIS MAGNOLIANA</u> CHARLESSA						
GARDNER				L		
<u>CYMATOSYRINX LUNATA</u> LEA	L	L		L		
<u>CYMATOSYRINX SIMPSONI</u> (DALL)				L		L
<u>DAPHNELLA ELATA</u> DALL		L		L		L
<u>DIDIANEMA CAROLINAE</u> GARDNER				DL		
<u>DIODORA CARDITELLA</u> DALL				DM		
<u>DIODORA</u> SP. CF. <u>D. CALOOSAENSIS</u>						
(DALL)	D					
<u>DIODORA CAYENENSIS</u> (LAMARCK)	L				DL	L
<u>DIODORA FLORIDANA</u> GARDNER				?L		
<u>DIODORA NUCULA</u> DALL	DL	D	D	DM		
" <u>DRILLIA</u> " <u>ABUNDANS</u> CONRAD		L		M		
" <u>DRILLIA</u> " <u>APHANITOMA OXIA</u>						
DALL				M		

<u>SPECIES</u>	<u>M</u>	<u>TW</u>	<u>SCW</u>	<u>NCW</u>	<u>C</u>	<u>R</u>
" <u>DRILLIA</u> " <u>EMMONS</u> OLSSON	L			L	L	
" <u>DRILLIA</u> " SP. AFF. <u>D.</u> <u>SUMTERENSIS</u> GARDNER & ALDRICH	L				L	
" <u>DRILLIA</u> " SP.		D		D		
<u>EPISCYNIA</u> <u>MULTICARINATA</u> STIMPSON	L		D	D	D	L
<u>EPITONIUM</u> <u>ANGULATUM</u> (SAY)		L			L	
<u>EPITONIUM</u> <u>ANTILLARUM</u> (DE BOURY)					L	
<u>EPITONIUM</u> <u>MULTIBRIATUM</u> (SAY)		L				L
<u>EPITONIUM</u> <u>RUPICOLA</u> (KURTZ)					DL	L
<u>EPITONIUM</u> <u>PRATTI</u> GARDNER	L			?L		
<u>EPITONIUM</u> <u>SAYANUM</u> DALL?		D			DL	
<u>EPITONIUM</u> <u>TURRICULUM</u> (SOWERBY)						L
<u>ERATO</u> <u>MAUGERIAE</u> GRAY	L	L				
<u>EUPLEURA</u> <u>CAUDATA</u> (SAY)		L		L	D	L
<u>EUPLEURA</u> SP.					L	
<u>FASCIOLARIA</u> <u>APICINA</u> DALL	DL	L	D	DML	DL	L
<u>FASCIOLARIA</u> <u>CRONLYENSIS</u> GARDNER				L		
<u>FASCIOLARIA</u> <u>ELEGANS</u> EMMONS	L	L				
<u>FASCIOLARIA</u> <u>PAPILLOSA</u> <u>ACMENSIS</u> SMITH				L		
<u>FASCIOLARIA</u> <u>RHOMBOIDEA</u> ROGERS	L			?L		
<u>FASCIOLARIA</u> <u>SPARROWI</u> EMMONS	L			M?L		
<u>FIGUS</u> <u>PAPYRATIA</u> (SAY)			D	DL		L
<u>FOSSARUS</u> <u>ANOMALA</u> (C. B. ADAMS)		D				
<u>FUSINUS</u> SP. AFF. <u>F.</u> <u>AEQUALIS</u> EMMONS	L			L		
<u>FUSINUS</u> <u>CALOOSAENSIS</u> HEILPRIN		L		DML		
<u>FUSINUS</u> SP. CF. <u>F.</u> <u>CAROLINENSIS</u> DALL			L			
<u>FUSINUS</u> SP. <u>A</u>				D		
? <u>FUSINUS</u> SP.			D			
<u>GEMOPHOS</u> <u>MAXWELLI</u> OLSSON & HARBISON			L			
<u>GEMOPHOS</u> <u>TINCTUS</u> (CONRAD)				D		
<u>GIBBERULINA</u> <u>OVULIFORMIS</u> D'ORBIGNY		L				L
<u>GLYPHOSTOMA</u> <u>SCOPTES</u> DALL				L		
<u>ITHYCYTHARA</u> <u>PSILA</u> (BUSH)				L		
<u>KURTZIELLA</u> <u>CERINA</u> (KURTZ & STIMPSON)		L		?L		
<u>KURTZIELLA</u> <u>ERITIMA</u> (BUSH)	DL	L			L	
<u>KURTZIELLA</u> SP. CF. <u>K.</u> <u>LIMONTELLA</u> DALL		D				L
<u>KURTZIELLA</u> <u>STELLATA</u> STEARNS				L		L
<u>KURTZIELLA</u> SP.		D		D		

<u>SPECIES</u>	<u>M</u>	<u>TW</u>	<u>SCW</u>	<u>NCW</u>	<u>C</u>	<u>R</u>
<u>LEMNITINA GRANIFERA</u> (Say)	L	?L	D	DL	L	
<u>LIDOTIA CAROLINIANA</u> DALL		L				
<u>LIDOTIA GEMMA</u> TOLMEY & HOLMES	L	D		DML		L
<u>LIDOTIA PERGEMMA</u> GARDNER				L		
<u>LITTORINA IRRORATA</u> SAY	L	DL		DL	L	L
<u>LUNATIA HEROS</u> (Say)		?L				?L
<u>LUNATIA INTERNUS</u> (Say)				DL		
<u>MACROMPHALINA PIERROTI</u> GARDNER				L		
<u>MANGELIA SIMPSONI</u> DALL				M		
<u>MARGINELLA AUREOCINCTA</u> STEARNS	L	D	D		D	
<u>MARGINELLA DENTICULATA</u> CONRAD	L	L				L
<u>MELANELLA INTERMEDIA</u> (CONTRAINE)		L				L
<u>MELANELLA JAMAICENSIS</u> C. B. ADAMS		L			DL	L
<u>MELANELLA</u> SP.		D	D		L	
<u>MITRA WANDDENSIS</u> HOLMES	L	L			L	L
<u>MITRELLA LUNATA</u> (Say)	L	L	L	DL		L
<u>MITRELLA PROFUNDI</u> DALL		L				L
<u>MITRELLA PROFUNDI PERMAGNA</u> DALL		L				
<u>MITRELLA WACCAMAWENSIS</u> GARDNER				L		
<u>MUREX BREVIFRONS</u> LAMARCK		D				L
<u>MUREX CELLULOSUS</u> (CONRAD)	L			M		L
<u>MUREX POMUN</u> GMLIN				L		L
<u>MURICOPSIS OSTREARUM</u> CONRAD	?L	DL				L
<u>NASSARINA GLYPTA</u> BUSH	L			L		L
<u>NASSARINA</u> SP.		D		D	D	
<u>NASSARIUS ACUTA</u> (Say)		L			DL	L
<u>NASSARIUS ARATA</u> (Say)	L	L				
<u>NASSARIUS CALOOSAENSIS</u> (DALL)	L	L		L		
<u>NASSARIUS CALOOSAENSIS</u> CORNELLEUM (OLSSON)	L	L		L		
<u>NASSARIUS CONSENSA</u> (RAVENEL)	L	DL		DML	?DL	L
<u>NASSARIUS IRRORATA</u> (CONRAD)	L	D	D	DM	L	
<u>NASSARIUS ISOGRAMMA</u> (DALL)				?DL		
<u>NASSARIUS JOHNSONI</u> (DALL)				L		
<u>NASSARIUS LAPENOTIERI</u> (DALL)				L		
<u>NASSARIUS NEOGENENSIS</u> (GARDNER & ALDRICH)	L			L		
<u>NASSARIUS OBSOLETA</u> (Say)		L		?DL	L	
<u>NASSARIUS PORCINA</u> (Say)	L	L	L	DM	L	
<u>NASSARIUS SCALASPIRA</u> (CONRAD)	L			DML		
<u>NASSARIUS SEXDENTATA</u> (CONRAD)				DL		
<u>NASSARIUS TRIVITTATA</u> (Say)				L	DL	L
<u>NASSARIUS VIBEX</u> (Say)	L			DL	DL	L
<u>NASSARIUS WILMINGTONENSIS</u> GARDNER				?L		
<u>NASSARIUS ZETA</u> GARDNER				L		

<u>SPECIES</u>	<u>M</u>	<u>TW</u>	<u>SCW</u>	<u>NCW</u>	<u>C</u>	<u>R</u>
<u>NASSARIUS</u> SP. INDET. (LIKE						
<u>N. SCALASPIRA</u> (CONRAD)		L				
<u>NASSARIUS</u> SP. A		D				
<u>NATICA CANRENA</u> (LINNÉ)	DL	DL		DL		L
" <u>NATICA</u> " SP.		D				
<u>NISO INTERRUPTA</u> AEGLEES						
BUSH		L				
<u>NISO DALLI</u> GARDNER				L		
<u>NISO</u> SP. CF. <u>N. DALLI</u>						
GARDNER			D			
<u>ODOSTOMIA IMPRESSA</u> SAY					DL	L
<u>ODOSTOMIA SEMINUDA</u> C. B.						
ADAMS		DL	D	D	DL	L
<u>ODOSTOMIA</u> SP. CF. <u>O.</u>						
<u>STIMPSONI</u> BARTSCH		D	D			
<u>OLIVA SAYANA</u> RAVENEL	DL	DL		DML		L
<u>OLIVELLA MUTICA</u> (SAY)	DL	DL	DL	DML	DL	L
<u>OLIVELLA NITIDULA</u> DILLWYN		L			L	
<u>PISANIA NUX</u> DALL	L			L		L
<u>PLEUROPLOCA GIGANTEA</u> KIENER	L	L		D		L
<u>POLINICES DUPLICATUS</u> (SAY)	L	DL	D	DML	DL	L
? <u>POLINICES</u> SP.				D		
<u>PRUNUM APICINUM</u> (MENKE)		D	D	DL	D	L
<u>PRUNUM APICINUM BOREALIS</u>						
VERRILL	L				L	
<u>PRUNUM BELLUM</u> (CONRAD)	L	L		L	L	
<u>PRUNUM</u> SP. CF. <u>P. BELLUM</u>						
(CONRAD)				D		
<u>PRUNUM CONTRACTUM</u> (CONRAD)	L	DL	D	DL	L	
<u>PRUNUM EULIMA</u> (DALL)		?D				
<u>PRUNUM LIMATULUM</u> (CONRAD)	L	L		L	L	L
<u>PRUNUM PARDALIS</u> (DALL)				?D		
<u>PRUNUM PRECURSOR</u> (DALL)	D	L			D	
<u>PRUNUM VIRGINIANUM</u> (CONRAD)		L			L	
<u>PRUNUM</u> SP. B.		D				
<u>PRUNUM</u> SP. INDET.				D		
<u>PSEUDONEPTUNEA MULTANGULA</u>						
(PHILIPPI)		L				L
<u>PTERORHYTIS CONRADI</u> DALL		L				
<u>PTERORHYTIS FLUVIANA</u> DALL				D		
<u>PYRAMIDELLA ARENOSA</u> CONRAD					L	
<u>RETUSA CANALICULATA</u> (SAY)	DL	DL	D	DL	DL	L
<u>RETUSA CANALICULATA VAUGHANI</u>						
GARDNER				L		
<u>RIMULA CAROLINIANUM</u> DALL		L				
<u>RINGICULA FLORIDANA</u> DALL		D			D	
<u>RINGICULA</u> SP.					DL	
<u>RISSDA GERAEE</u> DALL	L			DL		
<u>RISSDINA HARPA</u> GARDNER				L		
<u>RUBELLATOMA RUBELLA</u> (KURTZ						
& STIMPSON)					L	L
<u>SAYELLA</u> SP. CF. <u>S. FUSCA</u>						
(C. B. ADAMS)				D		
<u>SCAPHELLA OBTUSA</u> (EMMONS)	L	L		DM	L	
<u>SEILA ADAMSI</u> (H. C. LEA)	L	DL	D	DL	DL	L



<u>SPECIES</u>	<u>M</u>	<u>TW</u>	<u>SCW</u>	<u>NCW</u>	<u>C</u>	<u>R</u>
<u>SIGARETUS MULTIPLICATUS</u> DALL		L				
<u>SOLARIOBIS UNDULA</u> DALL	L				L	
? <u>SOLARIOBIS</u> SP.				D		
<u>STROMBIFORMIS BARTSCHI</u> GARDNER & ALDRICH	L				L	
<u>STROMBIFORMIS BIGNONICA</u> GARDNER	L			L		
<u>STROMBIFORMIS</u> SP. AFF. <u>S.</u> DALL, GARDNER & ALDRICH				D		
<u>STROMBIFORMIS</u> SP. A				D		
<u>SYNTOMODRILLIA LISSOTROPIS</u> SCISSURATA DALL				L		
<u>TECTONACTICA PUBILLA</u> (SAY)	L	DL	D		L	L
<u>TEINOSTOMA SMIKRON</u> GARDNER		D				
<u>TEREBRA CONCAVA</u> SAY	L	DL	D	DL	L	L
<u>TEREBRA DISLOCATA</u> SAY	L	D	D	DL	DL	L
<u>TEREBRA NEGLECTA</u> EMMONS	L				L	
<u>TEREBRA PROTEXTA</u> (CONRAD)	L			L		L
<u>TEREBRA</u> SP.				D		
<u>TRICOLIA PULCHELLA</u> C. B. ADAMS			L			L
<u>TRIPHORA NIGROCICTA</u> C. B. ADAMS		L	D			
<u>TRIVIA PEDICULUS</u> (LINNÉ)	L		L	L		L
<u>TRIVIA SUFFUSA</u> GRAY		DL				L
<u>TROPHON LEPIDOTA</u> (DALL)	L	?DL		M		
<u>TURBO GRENULATUS</u> GMELIN		L				L
<u>TURBONILLA FRAGILIS</u> DALL		L				
<u>TURBONILLA INTERRUPTA</u> TUOMEY & HOLMES		DL		DL	DL	L
<u>TURBONILLA MULTICOSTATA</u> C. B. ADAMS		L			L	L
<u>TURBONILLA RETICULATA</u> C. B. ADAMS		L		L	L	L
<u>TURBONILLA</u> (CHEMNITZIA) SP.		?L				
<u>TURBONILLA</u> SP.					L	
<u>TURBONILLA</u> SP.		D				
<u>TURBONILLA</u> SPP.		D	D	D	D	
<u>TURRITELLA DUPLINENSIS</u> GARDNER & ALDRICH	L			?L		
<u>TURRITELLA SUBANNULATA</u> HEILPRIN		DL	D	DML	L	?
<u>TURRITELLA VARIABILIS</u> SAY	L			?L		
? <u>TURRITELLA</u> SP.		D				
<u>UROSALPINX CINEREA</u> SAY		L		D	DL	
<u>UROSALPINX PERRUGATA</u> (CONRAD)	L	L		DM?L		L
<u>UROSALPINX</u> SP. AFF. <u>U.</u> PERRUGATUS CONRAD					L	
<u>UROSALPINX STIMPSONI</u> GARDNER	L			L		L
<u>UROSALPINX TROSSULA</u> (CONRAD)	L			L		
<u>UROSALPINX</u> SP.		D				
? <u>UROSALPINX</u> SP.					L	
<u>VERMICULARIA "SPIRATA"</u> (PHILIPPI)	DL			DL	DL	L
<u>XENOPHORA CONCHYLIOPHORA</u> BORN	L			M		L

<u>SPECIES</u>	<u>M</u>	<u>TW</u>	<u>SCW</u>	<u>NCW</u>	<u>C</u>	<u>R</u>
<u>SCAPHOPODA</u>						
<u>CADULUS THALLUS</u> CONRAD	L			M		
<u>CADULUS</u> SP.			D			
<u>DENTALIUM ANTILLARUM</u> D'ORBIGNY		L				L
<u>DENTALIUM WACCAMAWENSE</u> GARDNER				L		
<u>DENTALIUM</u> SP.		D		D		
<u>CIRRIPIEDIA</u>						
<u>BALANUS</u> SP.		D	D	D	D	
<u>ECHINOIDEA</u>						
<u>CASSIDULUS</u> SP.				D		
<u>?MELLITA</u> SP.				D		

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